Recommended PCB Layout
(component side)

Recommended Reflow Temperature:
230°C for 30 seconds
260°C maximum

Contact Material:
phosphor bronze

Contact Plating Options:
Standard: gold flash on
contact area, 120µ" tin/lead
on solder tails, all over
50µ" nickel underplate
30 Option: 30µ" gold on
contact area, 120µ" tin/lead
on solder tails, all over
50µ" nickel underplate

Shield: copper alloy,
100-200µ" nickel plated
over 100µ" copper

Insulator: UL94V-0 rated
High Temp. Nylon,
reflow process compatible,
Color* - white or black

Dielectric Withstanding:
500V AC

Insertion Force:
3.57kg max.

Insulation Resistance:
1000 Megohms min.

Rated Voltage:
30V AC (rms)

Insertion Force:
3.57kg max.

Contact Current Rating:
1A max.

Operating Temperature:
-25°C to 80°C

Tolerances
X.X ± 0.25
Unless Stated
Otherwise

Part Number | Contact Area Plating Finish | *Insulator Color | Packaging
---|---|---|---
KUSB-SMT-BS1N-W | Gold Flash (standard) | White | Bulk (trays, standard)
KUSB-SMT-BS1N-B | Gold Flash (standard) | Black | Bulk (trays, standard)
KUSB-SMT-BS1N-B30 | 30µ" Gold (30 option) | Black | Bulk (trays, standard)
KUSB-SMTBS1NWTR | Gold Flash (standard) | White | Tape-and-Reel (TR option)
KUSB-SMTBS1NW30TR | 30µ" Gold (30 option) | White | Tape-and-Reel (TR option)
KUSB-SMTBS1NBTR | Gold Flash (standard) | Black | Tape-and-Reel (TR option)
KUSB-SMTBS1NB30TR | 30µ" Gold (30 option) | Black | Tape-and-Reel (TR option)

Contact Plating Options:
Standard: gold flash on
contact area, 120µ" tin/lead
on solder tails, all over
50µ" nickel underplate
30 Option: 30µ" gold on
contact area, 120µ" tin/lead
on solder tails, all over
50µ" nickel underplate

Specifications
Rated Voltage:
30V AC (rms)

Contact Current Rating:
1A max.

Contact Resistance:
30 milliohms max.

Dielectric Withstanding:
500V AC

Insulation Resistance:
1000 Megohms min.

Extraction Force:
1.02kg min.

Operating Temperature:
-25°C to 80°C

Tolerances
X.X ± 0.25
Unless Stated
Otherwise

Part Number | Packaging
---|---
KUSB-SMTBS1NB30TR | Tape-and-Reel (TR option)
KUSB-SMTBS1NBTR | Tape-and-Reel (TR option)
KUSB-SMTBS1NW30TR | Tape-and-Reel (TR option)
KUSB-SMTBS1NWTR | Tape-and-Reel (TR option)
KUSB-SMT-BS1N-W | Bulk (trays, standard)
KUSB-SMT-BS1N-B | Bulk (trays, standard)
KUSB-SMT-BS1N-B30 | Bulk (trays, standard)
KUSB-SMTBS1NWTR | Tape-and-Reel (TR option)
KUSB-SMTBS1NW30TR | Tape-and-Reel (TR option)
KUSB-SMTBS1NBTR | Tape-and-Reel (TR option)
KUSB-SMTBS1NB30TR | Tape-and-Reel (TR option)